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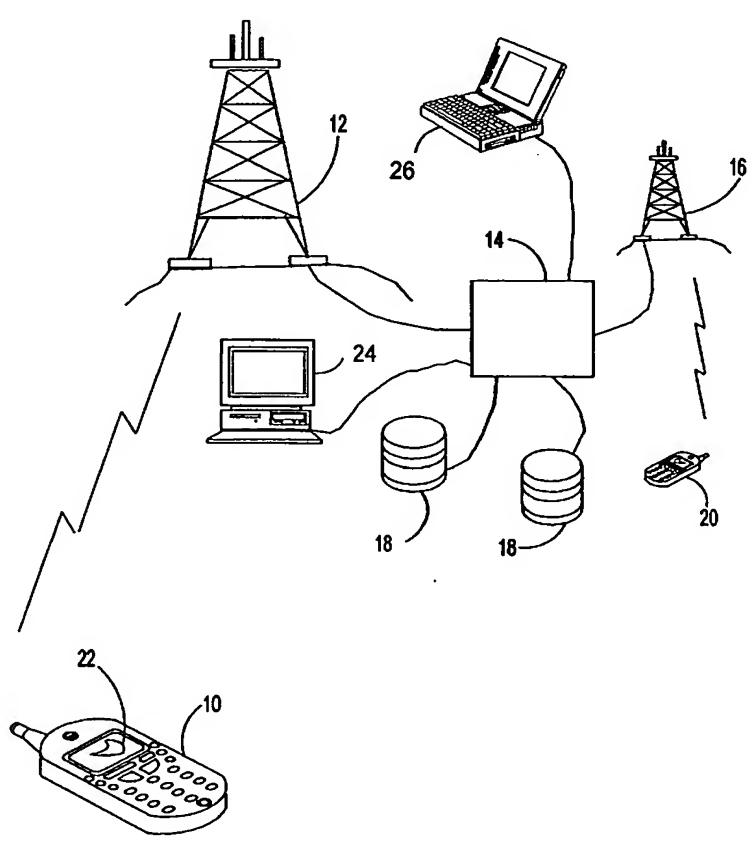
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(54) Title: EFFICIENT IMAGE TRANSMISSION



(57) Abstract: A mobile telephone (10, 20) receives, constructs and displays an image (32) from a server (18) over a mobile telephone network (12, 16, 18) where the server (18) determines the parameters for data transfer from the server (18) to the mobile telephone (10, 20), the capabilities of the mobile telephone (32) transfer task requirements, and apportions the processing between the server and the mobile telephone (10, 20) for each of a plurality of elements (28, 30, 38, 40, 42, 44, 46, 48, 50, 52, 54, 60, 62) in each image (32), thereby to meet the task requirement, which can include being within a predetermined time for task completion, or being the fastest means for task completion. Parameters for data transfer from server (18) to telephone (10, 20) include server (18) transmission bandwidth, phone (10, 20) reception bandwidth, data channel bandwidth, transmission protocol; and channel accessibility. Phone (10, 20) capabilities include the data processing speed, the available memory, display size and the data processing software available; Task requirements include the maximum time from transmission to display of the image; and the minimum display resolution of the image.



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